

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082621\  
 Data File : VW019909.D  
 Acq On : 26 Aug 2021 11:59  
 Operator : SY/VA  
 Sample : M3526-12  
 Misc : 5.38g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW7C2

Quant Time: Aug 27 01:02:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 27 00:59:57 2021  
 Response via : Initial Calibration

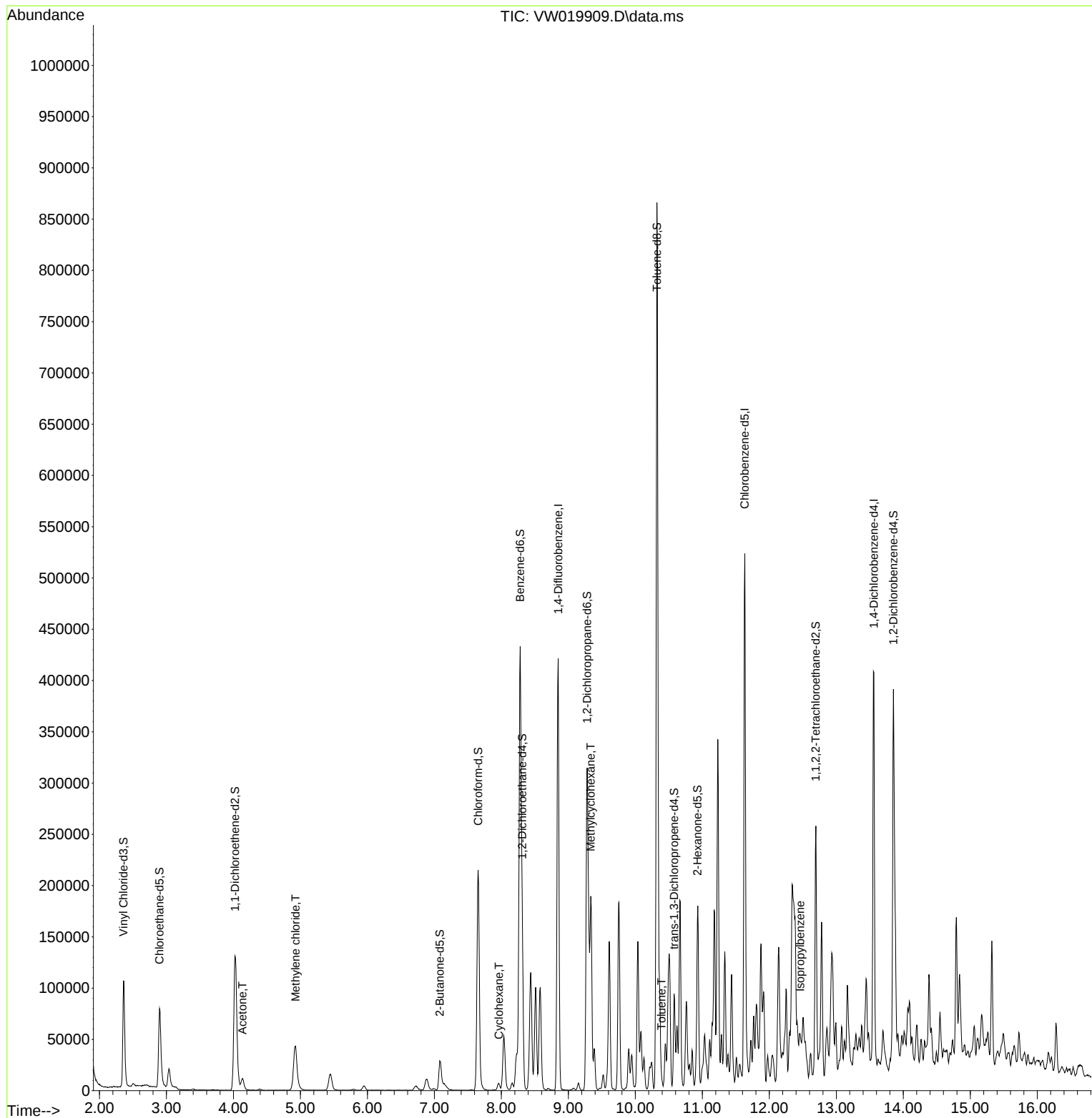
| Compound                      | R.T.   | QIon           | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|----------------|------------|----------|--------|----------|
| Internal Standards            |        |                |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114            | 350324     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117            | 283193     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152            | 104322     | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |                |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65             | 120870     | 22.268   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery = | 89.080%  |        |          |
| 7) Chloroethane-d5            | 2.897  | 69             | 104931     | 22.025   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery = | 88.080%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63             | 148295     | 15.745   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 110 | Recovery = | 62.960%  |        |          |
| 21) 2-Butanone-d5             | 7.080  | 46             | 48690      | 44.162   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery = | 88.320%  |        |          |
| 24) Chloroform-d              | 7.653  | 84             | 218603     | 22.690   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 40 - 150 | Recovery = | 90.760%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65             | 114907     | 22.132   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 130 | Recovery = | 88.520%  |        |          |
| 32) Benzene-d6                | 8.281  | 84             | 442594     | 27.410   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 20 - 135 | Recovery = | 109.640% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.280  | 67             | 136766     | 27.970   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 120 | Recovery = | 111.880% |        |          |
| 41) Toluene-d8                | 10.323 | 98             | 388101     | 26.228   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 130 | Recovery = | 104.920% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79             | 48581      | 24.049   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 135 | Recovery = | 96.200%  |        |          |
| 47) 2-Hexanone-d5             | 10.927 | 63             | 36153      | 53.073   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery = | 106.140% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84             | 94792      | 23.818   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 120 | Recovery = | 95.280%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152            | 89008      | 24.873   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range 75 - 120 | Recovery = | 99.480%  |        |          |
| Target Compounds              |        |                |            |          |        |          |
| 13) Acetone                   | 4.135  | 43             | 18567      | 19.727   | ug/L   | 93       |
| 16) Methylene chloride        | 4.928  | 84             | 31093      | 5.171    | ug/L   | 92       |
| 29) Cyclohexane               | 7.964  | 56             | 3263       | 0.491    | ug/L # | 62       |
| 35) Methylcyclohexane         | 9.335  | 83             | 66048      | 8.522    | ug/L   | 94       |
| 42) Toluene                   | 10.390 | 91             | 6861       | 0.373    | ug/L   | 88       |
| 60) Isopropylbenzene          | 12.463 | 105            | 7629       | 0.540    | ug/L   | 97       |

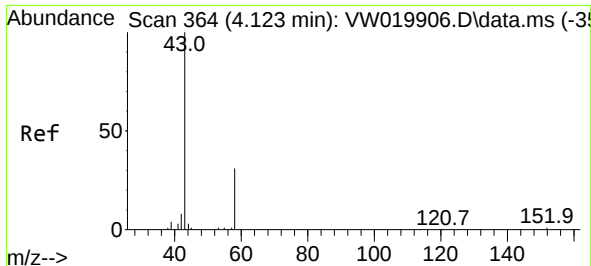
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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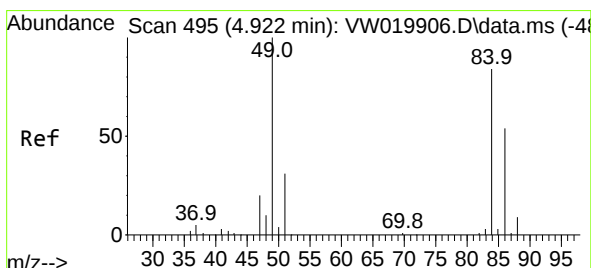
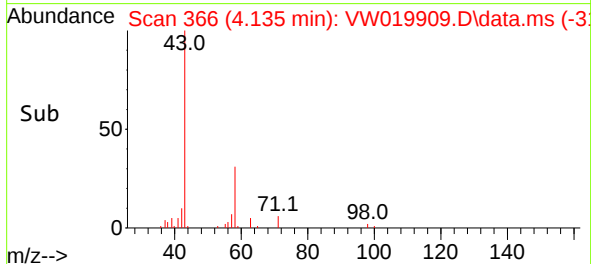
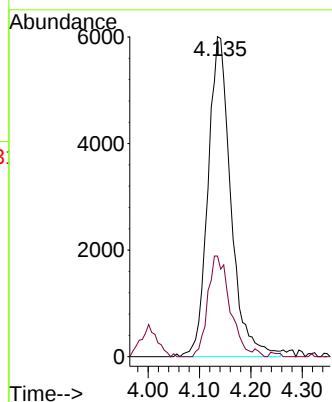
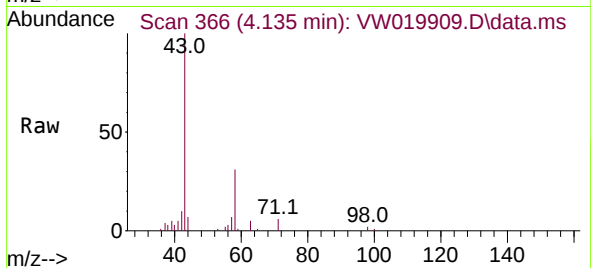




#13  
Acetone  
Concen: 19.727 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. 0.012 min  
Lab File: VW019909.D  
Acq: 26 Aug 2021 11:59

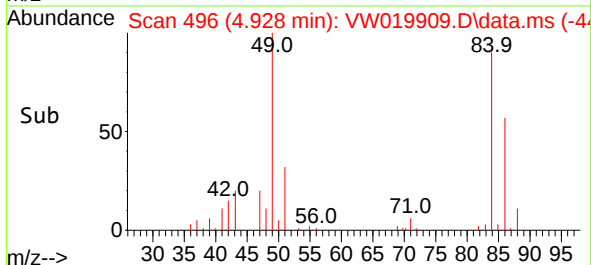
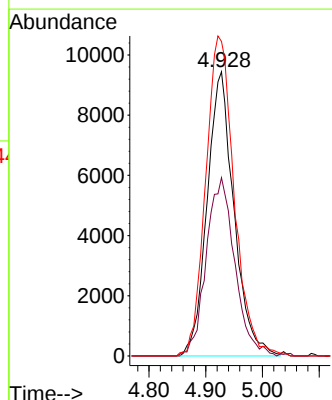
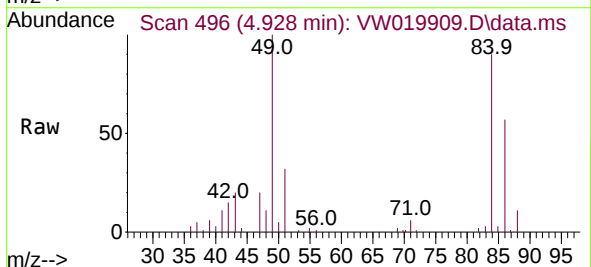
Instrument :  
MSVOA\_W  
ClientSampled :  
EW7C2

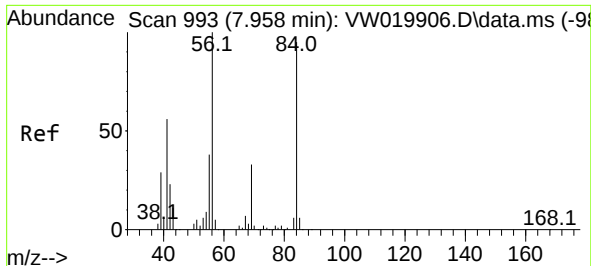
Tgt Ion: 43 Resp: 18567  
Ion Ratio Lower Upper  
43 100  
58 30.4 0.0 53.8



#16  
Methylene chloride  
Concen: 5.171 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. 0.006 min  
Lab File: VW019909.D  
Acq: 26 Aug 2021 11:59

Tgt Ion: 84 Resp: 31093  
Ion Ratio Lower Upper  
84 100  
86 62.7 45.3 84.1  
49 110.7 86.6 160.8





#29

Cyclohexane

Concen: 0.491 ug/L

RT: 7.964 min Scan# 994

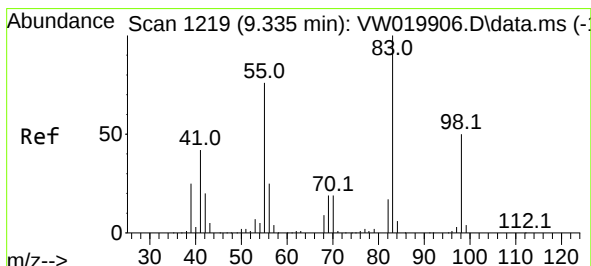
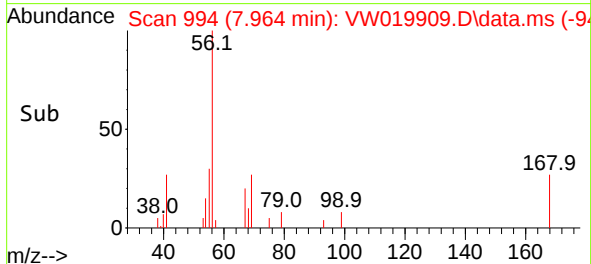
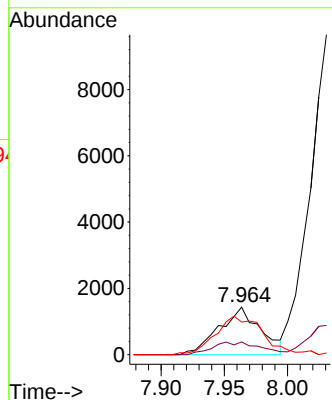
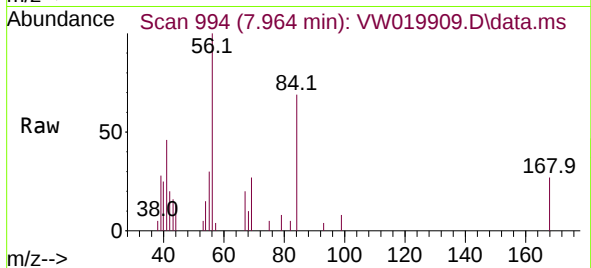
Delta R.T. 0.006 min

Lab File: VW019909.D

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Instrument :  
MSVOA\_W  
ClientSampled :  
EW7C2

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 56    | Resp: | 3263   |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 15.2  | 24.5  | 36.7#  |
| 84        | 54.2  | 75.0  | 112.4# |



#35

Methylcyclohexane

Concen: 8.522 ug/L

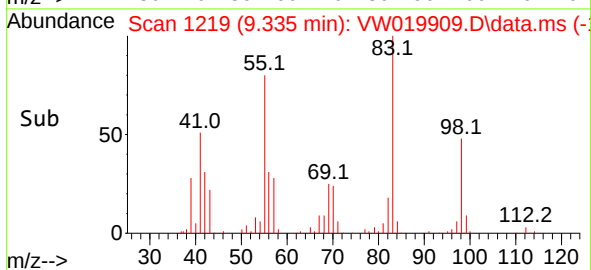
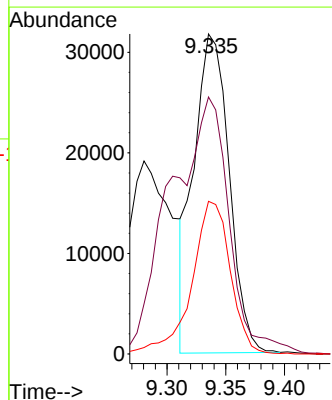
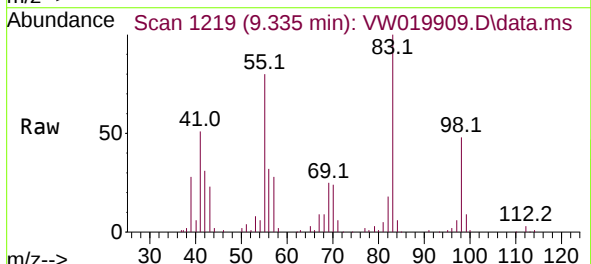
RT: 9.335 min Scan# 1219

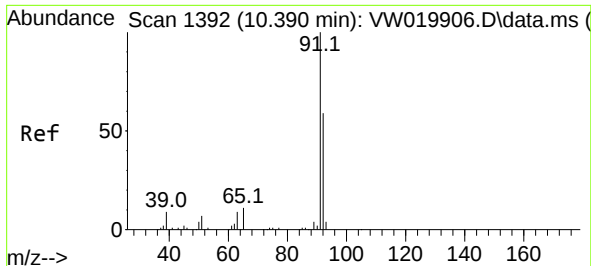
Delta R.T. -0.000 min

Lab File: VW019909.D

Acq: 26 Aug 2021 11:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 66048 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 79.5  | 58.9  | 88.3  |
| 98        | 52.7  | 40.1  | 60.1  |

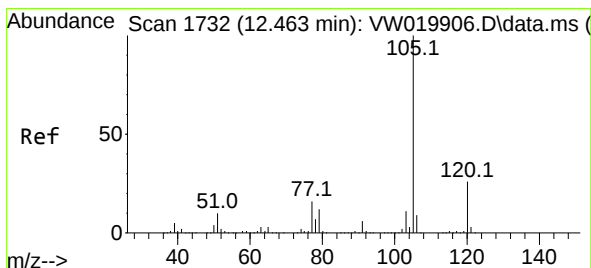
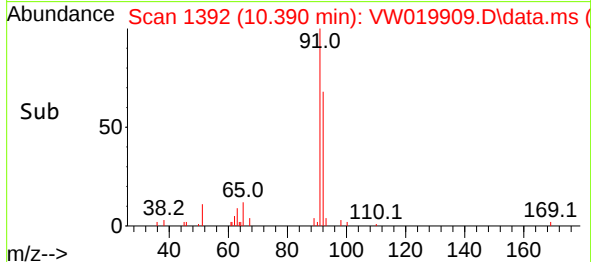
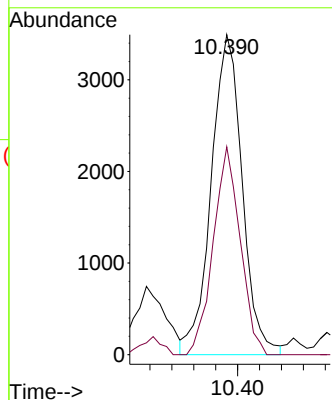
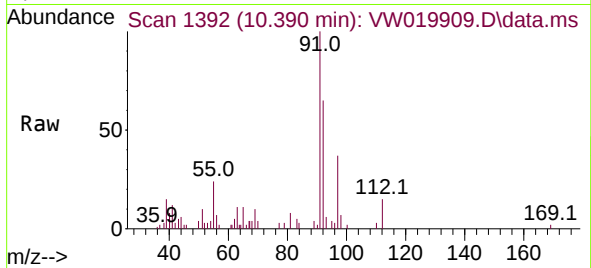




#42  
Toluene  
Concen: 0.373 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW019909.D  
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Instrument :  
MSVOA\_W  
ClientSampled :  
EW7C2

Tgt Ion: 91 Resp: 6861  
Ion Ratio Lower Upper  
91 100  
92 65.0 39.5 73.3



#60  
Isopropylbenzene  
Concen: 0.540 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW019909.D  
Acq: 26 Aug 2021 11:59

Tgt Ion: 105 Resp: 7629  
Ion Ratio Lower Upper  
105 100  
120 27.9 21.1 31.7  
77 15.4 13.2 19.8

